

**To:** Mahler, Tom[mahler.tom@epa.gov]  
**From:** Cozad, David  
**Sent:** Thur 4/28/2016 12:56:46 AM  
**Subject:** Re: Recent Sediment Sample main points and preliminary results summary

Thanks Tom. Great summary.

For tomorrow's 3:00 briefing, would be good to know how it compares to our risk based exposure levels, and a map to show where the five samples were taken. I think that will help folks digest whatever recommendations the team has on whether to do additional sampling

You are doing a great job. Nice work on north quarry order.

Dave

Sent from my iPhone

On Apr 27, 2016, at 6:36 PM, Mahler, Tom <mahler.tom@epa.gov> wrote:

Sorry, I forgot to add you before I hit send.

Tom

Sent from my iPhone

Begin forwarded message:

**From:** "Mahler, Tom" <mahler.tom@epa.gov>  
**Date:** April 27, 2016 at 6:25:08 PM CDT  
**To:** "Juett, Lynn" <Juett.Lynn@epa.gov>, "Peterson, Mary" <peterson.mary@epa.gov>, "Stoy, Alyse" <Stoy.Alyse@epa.gov>, "Hague, Mark" <Hague.Mark@epa.gov>, "Brincks, Mike" <brincks.mike@epa.gov>, "Carey, Curtis" <Carey.Curtis@epa.gov>  
**Cc:** "Vann, Bradley" <Vann.Bradley@epa.gov>, "Washburn, Ben" <washburn.ben@epa.gov>, "Barker, Justin" <barker.justin@epa.gov>  
**Subject:** Recent Sediment Sample main points and preliminary results summary

●□□□□□□□□ EPA required the potential responsible parties to collect **three sediment samples in early January** as part of the Additional Characterization work that was finishing up at that time. This is the work that began last fall to support the RI Addendum and Final FS.

- [REDACTED] EPA collected **100% splits** for these samples.
- [REDACTED] These samples were collected after the large rain event that lead to significant flooding in other areas of St. Louis at the beginning of the new year but were already planned to be collected as part of the on-going work.
- [REDACTED] To my knowledge, **we have not received this data from the PRPs** at this time. I have notifications to the appropriate people to provide this data ASAP.
- [REDACTED] In a meeting last Friday (April 22) with a representative for the PRPs, this data was presented during a conference call. The data was not formally reviewed but Brad and I noticed that one of these samples had a result for **Th-230 of approximately 14 pCi/g** which is above the definition of RIM (7.9 pCi/g)
- [REDACTED] EPA required the potential responsible parties to collect an **additional two sediment samples in early March**.
- [REDACTED] Again **EPA collected 100% splits** for these samples.
- [REDACTED] Monday (April 25), Brad and I received **preliminary results for all 5 splits samples** that EPA collected from our contractor (Tetra Tech).
- [REDACTED] This data is currently being validated and I will have a time line for the completion of this validation tomorrow morning.
- [REDACTED] My review of the preliminary result indicates there are **no exceedances** for radionuclides that meet the definition of **RIM** for the site **with one exception**.
- [REDACTED] Sed 4-EPA DUP has a **preliminary result for Th-230 of 19.8 pCi/g** which is above the definition of RIM (7.9 pCi/g)
- [REDACTED] This sample is located on the **northeast side of Area 2** of the West Lake Landfill. It was collected **outside of the Area 2 fence**. It was collected from a **wooded/vegetated area** to the northwest of a concrete culvert/storm water ditch located between Area 2 and St. Charles Rock Road. There is currently no fence blocking access to this area.
- [REDACTED] I **do not know** at this time if the sample was **collected from landfill property** but should have more information about this by tomorrow morning.
- [REDACTED] I will have all 5 of these sediment samples added to our Web Map for West Lake by tomorrow morning as well.

Let me know if there are any additional questions.

Tom